

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A drive mechanism for use in a drug delivery device ~~is provided~~ comprising:

a housing having ~~[[a]]~~ an internal helical thread, ~~preferably an internal helical thread;~~

a dose dial sleeve having a helical thread engaged with the helical thread of the ~~said~~ housing;

a drive sleeve releasably connected to the ~~said~~ dose dial sleeve;

and a clutch means located between the dose dial sleeve and the drive sleeve; ~~characterized in that~~ the clutch means configured such that,

a) when the dose dial sleeve and the drive sleeve are coupled, both are allowed to rotate with respect to the housing; and

b) when the dose dial sleeve and the drive sleeve are de-coupled, rotation of the dose dial sleeve with respect to the housing is allowed, ~~whilst~~ while rotation of the drive sleeve with respect to the housing is prevented ~~not allowed~~, whereby axial movement of the drive sleeve is allowed so that a force is transferred in the longitudinal direction to the a proximal end of the drug delivery device.

2. (Currently Amended) A drive mechanism according to claim 1, further comprising a piston rod adapted to operate through the housing and transfer the ~~said~~ force in the ~~said~~ longitudinal direction to the proximal end of the drug delivery device.

3. (Currently Amended) The drive mechanism according to claim 1 ~~or~~ 2, wherein said dose dial sleeve further comprises a helical thread, which has the same lead as the lead of the helical thread of the said drive sleeve.

4. (Currently Amended) The drive mechanism according to claim 1 ~~or~~ 2, wherein the said piston rod is designed to have attached a toothed gear designed to mesh with the threads of the drive sleeve and the teeth of a toothed rack, whereby the said toothed rack is fixed to the housing.

5. (Currently Amended) An assembly for use in a drug delivery device comprising the drive mechanism ~~as defined in any of claim 1 to 4.~~

6. (Currently Amended) A drug delivery device comprising the drive mechanism ~~as defined in any of claim 1 to 4 or the assembly of claim 5.~~

7. (Currently Amended) The drug delivery device according to claim 6, ~~which~~ wherein the delivery device is a pen-type device.

8. (Currently Amended) The drug delivery device according to ~~any of claim 6 to 7,~~ wherein the delivery device is an injector-type device.

9. (Currently Amended) The drug delivery device according to ~~any of claim 6 to 8, which~~ wherein the delivery device further comprises a needle.

10. (Currently Amended) The drug delivery device according to ~~any of claim 6 to 8, which~~ wherein the delivery device is a needle-free device.

11. (Canceled)

12. (Currently Amended) ~~The use of a drug delivery device according to claim 11 for~~ The method of claim 22, wherein dispensing a medicinal product includes dispensing a pharmaceutical formulation comprising an active compound selected from the group consisting of insulin, growth hormone, low molecular weight heparin, ~~their~~ analogues thereof, and ~~their~~ derivatives thereof.

13. (Currently Amended) The method of manufacturing or assembling a drug delivery device, comprising the step of providing a the drive mechanism ~~as defined in any of claims 1 to 4 or an assembly as defined in claim 5.~~

14. (New) A drug delivery device comprising the assembly of claim 5.

15. (New) The drug delivery device of claim 14, wherein the device is a pen-type device.

16. (New) The drug delivery device of claim 14, wherein the device is an injector-type device.

17. (New) The drug delivery device of claim 14, further comprising a needle.

18. (New) The drug delivery device of claim 14, wherein the device is a needle-free device.

19. (New) A method of delivering a drug, comprising:
providing the device of claim 14,
dispensing a medicinal product with the device.

20. (New) The method of claim 19, wherein dispensing a medicinal product includes dispensing a pharmaceutical formulation from the device, wherein the pharmaceutical formulation comprises an active compound selected from the group consisting of insulin, growth hormone, low molecular weight heparin, analogues thereof, and derivatives thereof.

21. (New) A method of manufacturing or assembling a drug delivery device, comprising providing the assembly of claim 5.

22. (New) A method of delivering a drug, comprising:

providing the device of claim 6,
dispensing a medicinal product with the device.